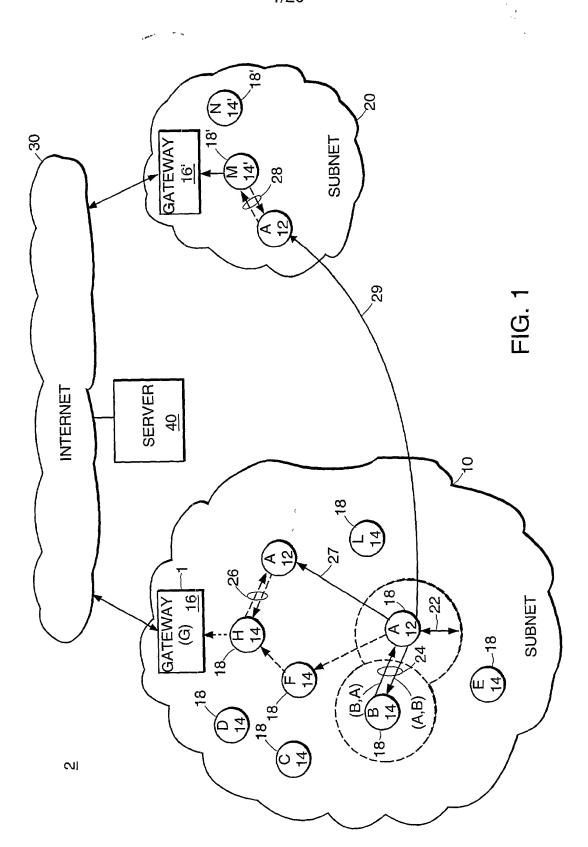
Time. A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.
Serial No. 09/728,020

Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

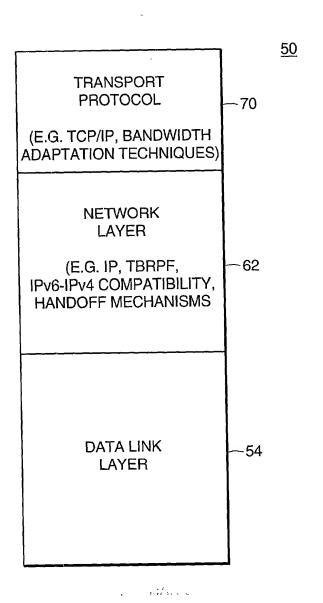
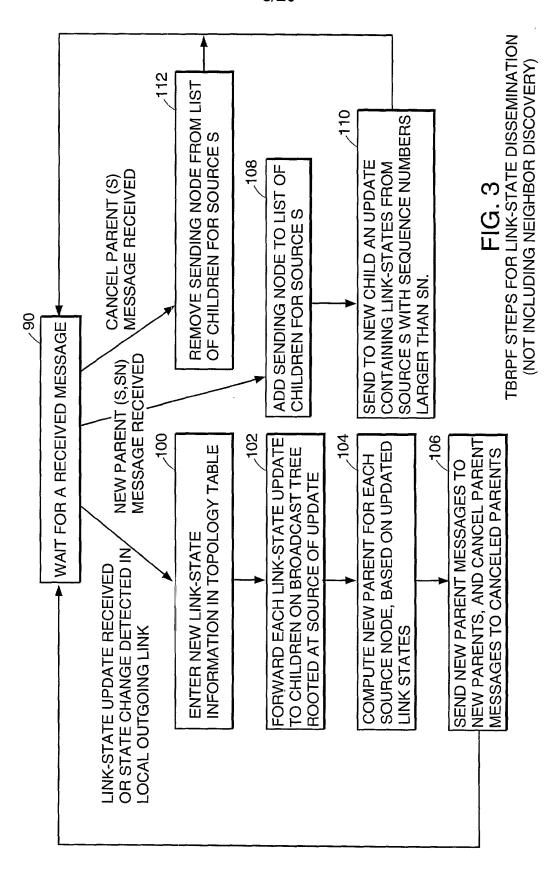


FIG. 2

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Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

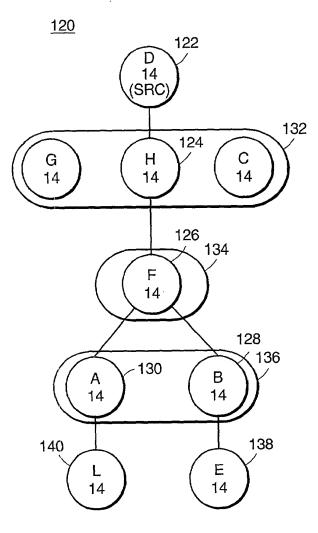
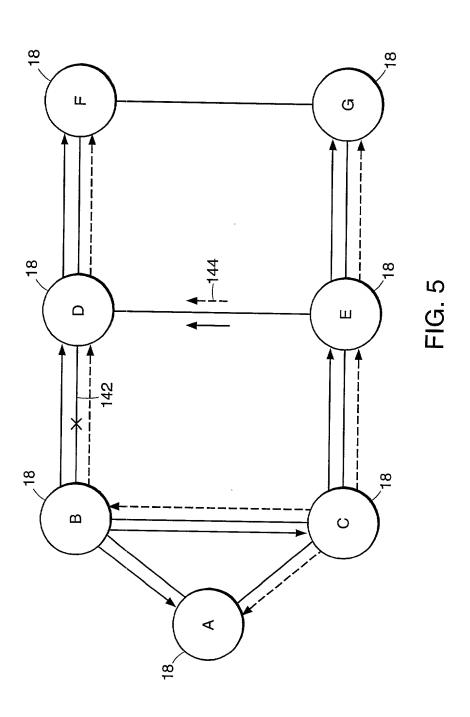


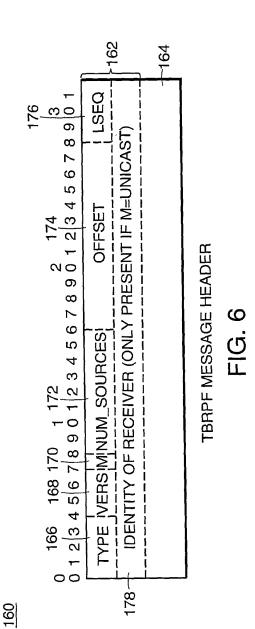
FIG. 4

Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

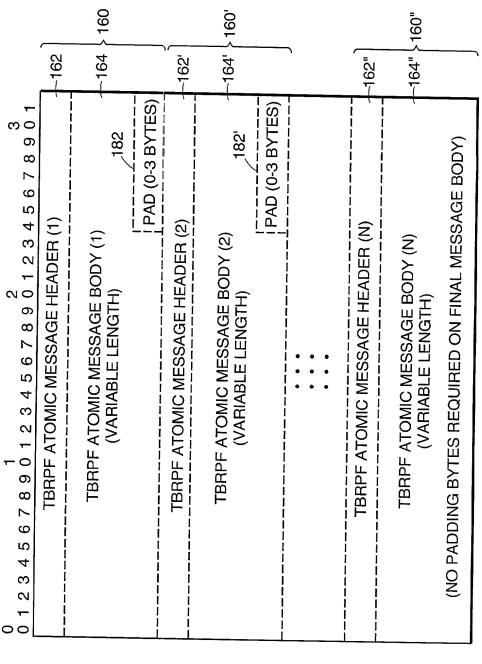
5/20



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Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez



(A COMPOUND TBRPF MESSAGE)

E G

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

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<u>186</u>			
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5	2 3 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1		
	FOR SRC(1) <u>188</u>		
IDENTITY	FOR SRC(2) <u>188'</u>		

IDENTITY	FOR SRC(M) <u>188"</u>		
SEQUENCE NUMBER FOR SRC (1)	SEQUENCE NUMBER FOR SRC (2)		
SEQUENCE NUMBER FOR SRC (3	SEQUENCE NUMBER FOR SRC (4)		
•••			
SEQUENCE NUMBER FOR SRC (M-	1) SEQUENCE NUMBER FOR SRC (M)		

NEW PARENT MESSAGE FIG. 8A

SEQUENCE NUMBER FOR SRC (M-2) SEQUENCE NUMBER FOR SRC (M-1)
SEQUENCE NUMBER FOR SRC (M)

SHOWS AN ALTERNATIVE ENDING THE NEW PARENT MESSAGE FIG. 8B

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though them their though though their thei though though though thing the Title. A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.

Serial No. 09/728,020

Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

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	IDENTIT	Y FOR SRC(M)	<u>196"</u>
•••			
	IDENTIT	TY FOR SRC(2)	<u>196'</u>
	IDENTI7	TY FOR SRC(1)	<u>196</u>
0 0 1 2 3 4 5 6	1 7 8 9 0 1 2 3 4	2 5 6 7 8 9 0 1 2 3	3 4 5 6 7 8 9 0 1
			<u>194</u>

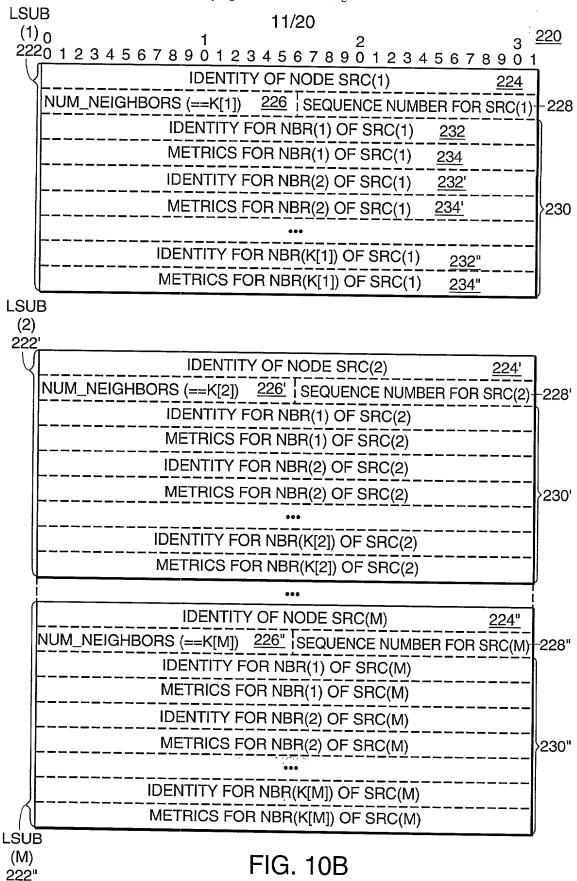
CANCEL_PARENT MESSAGE FIG. 9

Title: A System And Method For Disseminating
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Routing Nodes In A Mobile Ad Hoc Network
Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

$\begin{smallmatrix}0&&&1&&&2\\0&1&2&3&4&5&6&7&8&9&0&1&2&3&4&5&6&7&8&9&0&1&2\\\end{smallmatrix}$		
IDENTITY OF NORTH OF COLUMN		
NUM_NEIGHBORS (==K[1]) 204 RESERVED		
IDENTITY FOR NBR(1) OF SRC(1) 208		
LINK METRICS FOR NERVAL	040	
	210	
IDENTITY FOR NBR(2) OF SRC(1) 208'		
LINK METRICS FOR NBR(2) 212' SEQUENCE # FOR SRC(1), NBR(2)	206	
IDENTITY FOR ADDUCTAR OF ORDER	210'	
IDENTITY FOR NBR(K[1]) OF SRC(1) 208"		
LINK METRICS FOR NBR(K) 212" SEQUENCE # FOR SRC(1), NBR(K)	210"	
LSUA (1)		
200		
LSUA		
(2) (200'		
IDENTITY OF NODE SRC(2) 202'		
NUM_NEIGHBORS (==K[2]) 204' RESERVED		
IDENTITY FOR NBR(1) OF SRC(2)		
LINK METRICS FOR NBR(1) SEQUENCE # FOR SRC(2), NBR(1)	206'	
IDENTITY FOR NBR(K[M-1]) OF SRC(M-1)	200	
LINK METRICS FOR NBR(K[M-1]) SEQUENCE # FOR SRC(M), NBR(K[M-1])		
JOE GOLINGE # 1 ON SHO(M), NBH(N[M-1])		

IDENTITY OF NODE SRC(M) 202"		
NUM_NEIGHBORS (==K[M]) 204" RESERVED		
IDENTITY FOR NBR(1) OF SRC(M)		
LINK METRICS FOR NBR(1) SEQUENCE # FOR SRC(M), NBR(1)		
	206"	
IDENTITY FOR NBR(K[M]) OF SRC(M)		
LINK METRICS FOR NBR(K[M]) SEQUENCE # FOR SRC(M), NBR(K[M])		
LSUA		
(M) = 10 10 10 10 10 10 10 10 10 10 10 10 10		

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



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Atty/Agent: Michael A. Rodriguez

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176'
0 166' 168' 170' 1 172' 2 174' 3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 162"'

TYPE VERSIMINUM_SOURCES OFFSET LSEQ

COMPOUND MESSAGE 180'

<u>240</u>

RETRANSMISSION_OF_BROADCAST MESSAGE FIG. 11

gette, darts, meng meng, gibits, garts, sensi, gette, gette, gibits, gibits, garts, garts, garts, gibits, gibits, garts, garts, garts, gibits, gibits,

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

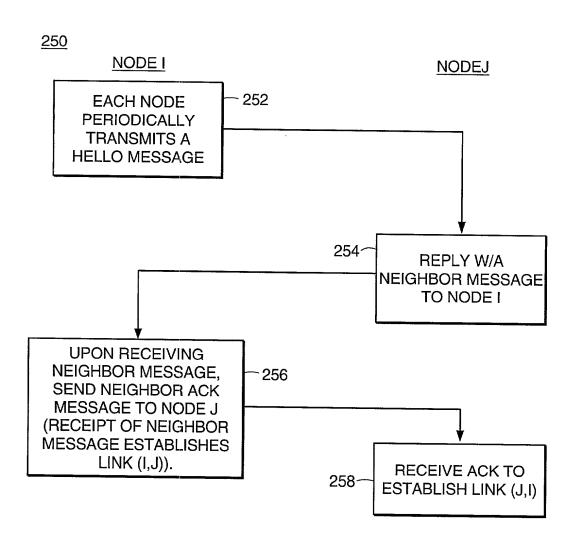


FIG. 12

Ittle: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.
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Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

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<u>260</u>		
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7	3 8 9 0 1	
274 H/W ADDRES SPACE 278 PROTOCOL ADDRESS	SPACE 280	
H/W LEN (=N) PROTO LEN (=M) TYPE 262 BCAST	T SEQ# -264	
276 SENDER HARDWARE ADDRESS (M BYTES) 266		
SENDER PROTOCOL ADDRESS (N BYTES) 268		
TARGET HARDWARE ADDRESS (M BYTES)	<u>270</u>	
TARGET PROTOCOL ADDRESS (N BYTES)	<u>272</u>	

FIG. 13

33 36 21

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

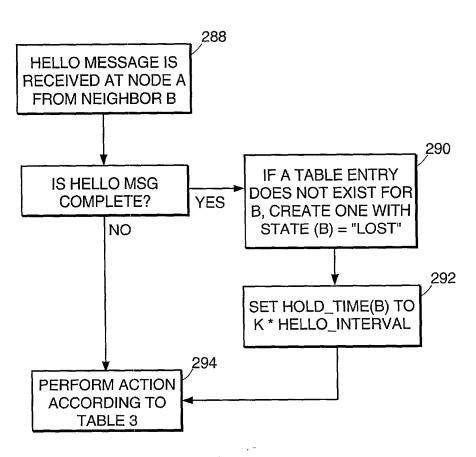
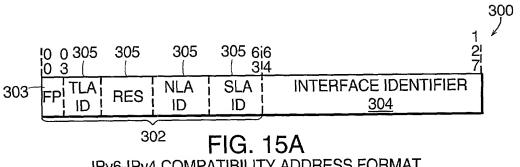
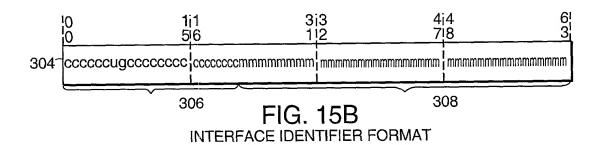


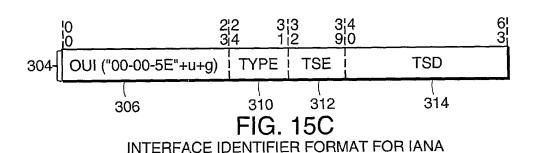
FIG. 14

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IPv6-IPv4 COMPATIBILITY ADDRESS FORMAT





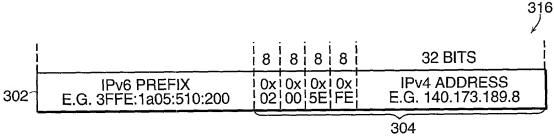
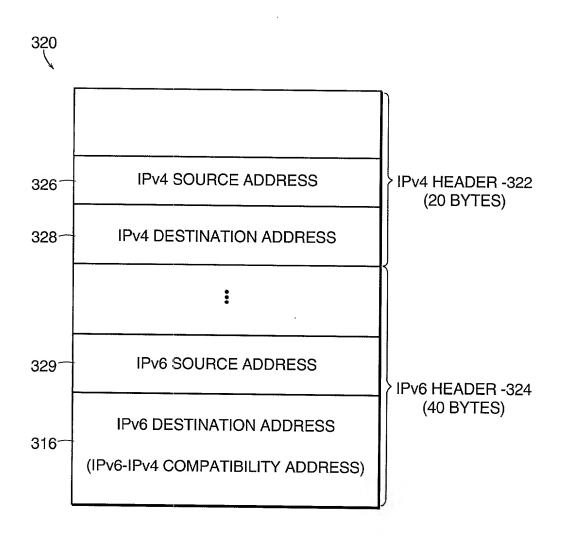


FIG. 15D IPv6-IPv4 COMPATIBILITY ADDRESS

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

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Hall Hall

FIG. 15E

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

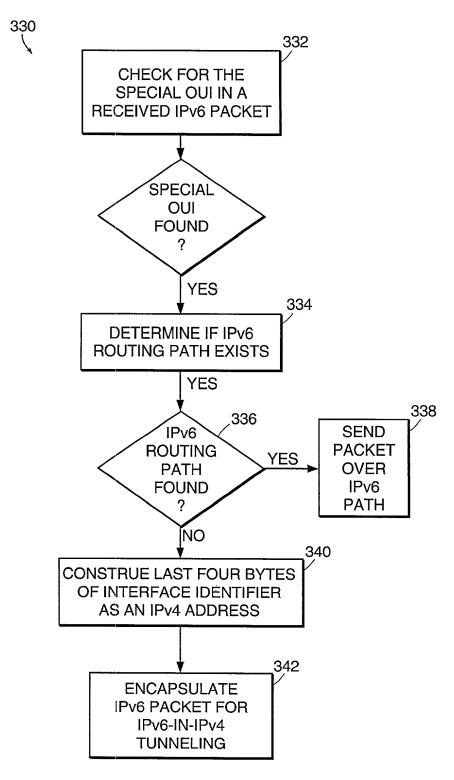
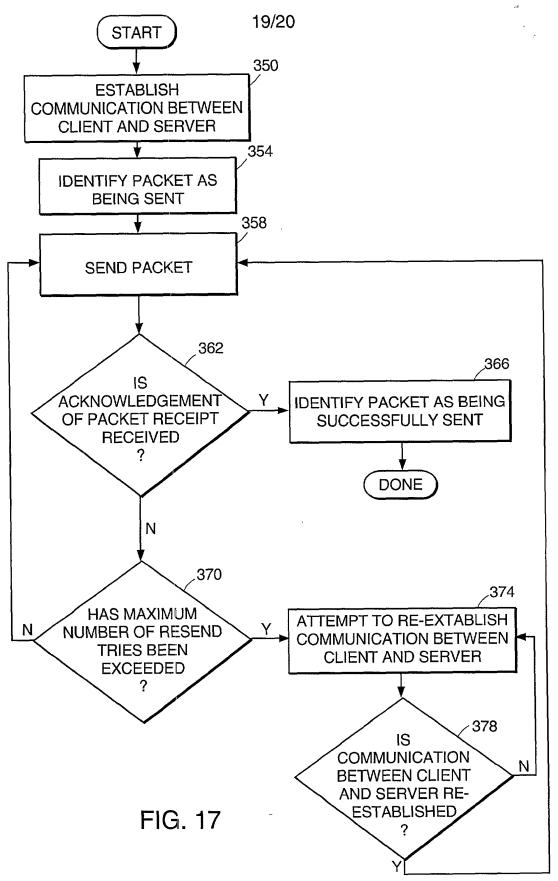


FIG. 16

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

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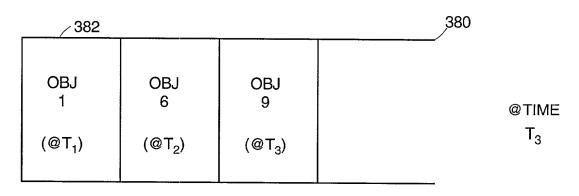


FIG. 18A

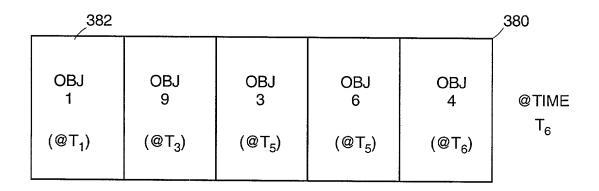


FIG. 18B

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